

7-13-2010

Iowa State Daily (July 13, 2010)

Iowa State Daily

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Graduates develop **NEW** technologies

ISU company maintains its sustainability

see **AVELLO BIOENERGY** on **PAGE 10**

Jared Brown, left, and AJ Pollard, both co-founders and engineers with Avello Bioenergy, are half of the team working toward new applications for biomass. The group is currently working at the BioCentury Research Farm processing corn silver and wood chips into bio oil, which can then be used as a renewable fuel. Photo: Logan Gaedke/Iowa State Daily

TUESDAY

July 13, 2010, Volume 205 >> Number 17 >> 40 cents >> iowastatedaily.com >> An independent newspaper serving Iowa State since 1890

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Motorcycle Accident

Daniel Lee Breuer, senior in mechanical engineering, was killed in an accident Thursday on Interstate 35

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Crime Briefs

Ames arrest charges including child pornography, lascivious acts with a child, marijuana possession with intent to sell

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Opinion: Music

Technology may encourage isolation though it allows for "massive explosion in music," reveling in your music of choice



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Daily Snapshot

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Spectators view the fireworks Sunday from the Iowa State Center parking lot. The fireworks were rescheduled after being rained out on the Fourth of July. Photo: Logan Gaedke/Iowa State Daily

Police Blotter : ISU, Ames Police Departments

The information in the log comes from the ISU and the City of Ames police departments' records. All those accused of violating the law are innocent until proven guilty in a court of law.

June

**19
Sat**

to

June

**21
Mon**

June 19

Ryan Pepples, 19, 113 Orange Ave., was arrested and charged with driving under suspension, driving while barred, interference with official acts, possession of alcohol under the legal age and eluding arrest. (reported at 11:40 p.m.)

June 20

Officers checked the welfare of a resident who was experiencing emotional difficulties. The individual was referred to counseling services. (reported at 1:36 a.m.)

Benjamin Lovell, 18, 301 South 5th St. unit 356, was arrested and charged with possession of a controlled substance and possession of drug paraphernalia. (reported at 2:14 a.m.)

Janel Jones, 21, of Nevada, was arrested and charged with public consumption and public intoxication. (reported at 2:15 a.m.)

Nathaniel Harden, 21, of Schleswig, was arrested and charged with public consumption. (reported at 2:20 a.m.)

Nathan Martens, 21,

218 Stanton Ave. unit 5, was arrested and charged with public consumption. (reported at 2:20 a.m.)

Travis Epps, 41, 2919 Oakland St. unit 1, was arrested and charged with domestic abuse. (reported at 2:30 a.m.)

Kara Stanhope, 40, 2919 Oakland St. unit 1, was arrested and charged with public intoxication. (reported at 2:45 a.m.)

Tisha Campbell, 33, 1013 Delaware Ave., was arrested and charged with operating while intoxicated. (reported at 2:49 a.m.)

Keegan Bucklin, 18, 3709 Tripp St. unit 103, was arrested and charged with public intoxication. (reported at 3:45 a.m.)

Vincent Johnson, 40, was arrested and charged with assault. (reported at 9:55 p.m.)

June 21

Terrance Collum, 26, 118 East 9th St., was arrested and charged with driving under suspension. He was subsequently released on citation. (reported at 12:22 a.m.)

Matthew McCoy, 27, 1316 South Duff unit 24, was arrested and charged with operating while intoxicated. (reported at 1:15 a.m.)

Megan Reberry, 22, 1220 Walton Drive unit 103, was arrested and charged with operating while intoxicated — second offense. She was transported to the Story County Justice Center. (reported at 1:31 a.m.)

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The Iowa State Daily is an independent student newspaper established in 1890 and written and edited entirely by students.

Publication Board

Listed by college: Scott Hoefler, chairperson, Agriculture and Life Sciences;

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PERIODICALS POSTAGE

Accident

Conclusions reached about Gileau's death

Alcohol consumption likely to blame for accident

By James Heggen
Daily Staff Writer

Raven Gileau had a blood alcohol level of more than twice the legal limit the night she died, Ames Police determined.

This conclusion was based on information from the Ames police investigation and information from the State Medical Examiner, Ames Police Cmdr. Mike Brennan said.

The State Medical Examiner also determined Gileau died from "multiple blunt force trauma injuries," which is consistent with being struck by a train, Brennan said.

"We're looking at this as an accident," he said.

Brennan said it is still unclear as to why Gileau was on the train tracks.

"But in this case I don't think we're going to know," he said.

Gileau, an ISU student, was found alongside the railroad tracks near 13th Street and Ontario Avenue. She had been reported missing by her roommate.

Police do not have footage of the accident, Brennan said.

They do have tape from trains that shows Gileau lying alongside the tracks after she was hit. However, the cameras on the trains are set to automatically tape over their footage after a certain amount of time, and the footage from the train that police believe hit Gileau was taped over by the time investigators were able to look at it.

The case will soon be given to the Story County Attorney's Office, Brennan said.

"Pretty much, we're done with the investigation," he said.

Brennan said from their investigation, police determined Gileau, 19, had been drinking at her apartment prior to going to Project 20/20, as well as while she was at the Camupustown bar.

"That information is turned over to the county attorney's office to make a determination as to whether or not any charges will be filed against anyone," he said.

He said the county attorney's office will determine if those who provided alcohol will be charged.

In certain cases resulting in death, as is the case with Raven's accident, providing alcohol to a minor can result in a charge of a class D felony.

Project 20/20 has denied that Gileau was drinking while she was at the bar.

Gileau left Project 20/20 with a male companion early the morning of April 25. The two were presumably on their way home.

With thunderstorms and wind gusts that night, Gileau, who was wearing shorts, was told by her friend to stay under the bridge while he got his car to take her home.

When the man returned with a friend, Gileau was gone.



Gileau

Events relating to Gileau's death

April 24:

- Gileau attends a birthday party at Project 20/20. The exact amount of time spent at the club has been disputed. She left the club with a male companion.

April 25:

- 3:19 a.m. - Ames Police receive a missing persons call from Gileau's roommate.
- 5:15 a.m. - Union Pacific receives a call to stop train traffic through the area after a person is found near the tracks.
- 5:30 a.m. - Gileau is found dead on the railroad tracks near 13th Street and Ontario Avenue.

April 29:

- In an interview with the Iowa State Daily, owners of project 20/20 assert Gileau did not drink while at the club.

May 2-3:

- Viewing and Funeral for Gileau.

May 18:

- After investigation, Ames Police are unable to determine from train tapes which train hit Gileau.

May 26:

- The Daily reports Gileau did not use her cell phone the night that she died.

July 12:

- In an interview with the Daily, Ames Police state that Gileau was drinking both before and while she was at the club. Gileau's death is declared an accident.

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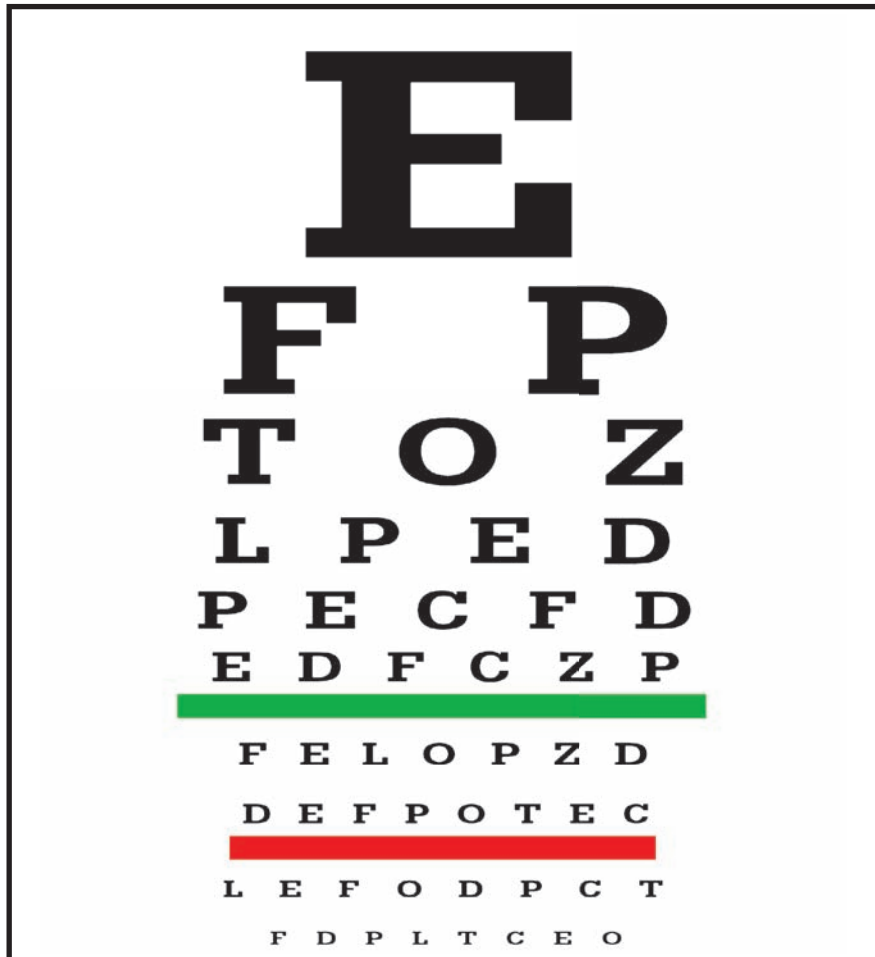
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Accidents

Woman killed by train despite warning signals

By Abigail Barefoot
Daily Staff Writer

Ames police said a woman, who may have been trying to beat a train through a crossing, was killed Saturday night.

Fannie Delore Williams, 50, was struck 9:30 p.m. Saturday by the westbound Union Pacific train.

Williams was on the east side of Duff Avenue south of the railroad tracks when she attempted to cross the tracks at the same time the train was coming through.

All the signals and alarms warning of a train approaching had been functioning at the time of the incident, police said.

Ames police and Ames fire responded to the scene, but Williams was dead upon arrival.

Student motorcyclist dies in traffic-related crash

Daniel Lee Breuer, 20, senior in mechanical engineering from West Union, was killed in a motorcycle accident Thursday.

The accident occurred shortly after 5 p.m. on Interstate 35, near exit 97 in Ankeny.

Another accident in the area had slowed traffic, and Breuer's

motorcycle collided with the back of another car.

A Life Flight helicopter transported Breuer to Iowa Methodist Medical Center in Des Moines.

The driver of the other car was not injured, and Breuer had been wearing a helmet at the

time of the accident.

The accident report can be found at http://accidentreports.iowa.gov/index.php?pgname=minimal_ar&caseno=2010040291.

-Daily Staff

Sustainability

Conservation programs succeed

Sustainable practices allow for noticeable differences

By Paige Godden
Daily Staff Writer

Merry Rankin, director of sustainability, said Iowa State recently received results that show energy consumption was reduced by 3 percent during the past year, which is a little more than \$8 million.

"So many different projects are going on at once; I absolutely don't take individual credit for what has happened here," Rankin said.

Rankin said the waste in the dining centers was reduced by 50 percent.

"[More than] 50,000 meals were saved," Rankin said.

This has led to the deletion of trays in residential dining centers this fall.

The new recycling program brought in for resident halls is also seeing success.

"In six months we have diverted 18 tons of material," Rankin said.

Iowa State received the first ever solar trash compactor in Iowa, which is located outside of Curtiss Hall.

Rankin said Iowa State is now looking to get 11 more compactors for high trash areas around campus.

One of the larger goals accomplished was wind energy on campus.



Rankin

see CONSERVATION on PAGE 20



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Arrests

Child porn found with sex offender

Clippings taken from publications lead to charges of exploitation

By Abigail Barefoot
Daily Staff Writer

A man who went to the Story County Sheriff's Office to register himself as a sex offender was found to be in possession of child pornography.

Michael Dean Woods, 42, homeless, went to the sheriff's office July 2 to legally register himself as a sex offender living in the area.

During a routine check that is part of the registration process, officials found Woods had an outstanding warrant from Kansas for failure to register as a sex offender.

Woods was then arrested and taken to the Story County Justice Center for book-

ing.

While officials were officially processing him, they discovered that he was carrying child pornography in the form of pictures that appeared to be cut out of publications.

Woods was charged with sexual exploitation of a minor and is currently being held at the Story County Jail on a \$10,000 bond.

Story County is currently working with the U.S. Attorney's Office to determine if Woods will be charged federally for the incident.



Woods



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Exploitation

18-year-old arrested for child molestation

Three warrants for lascivious acts involved in arrest

By Abigail Barefoot
Daily Staff Writer

Michael Allen Trachta, 18, of Ames was arrested Sunday on three Story County Sheriff's Office warrants for lascivious acts with a child.

Lascivious acts is defined in the Iowa State Code as any of the following:

1. Fondle or touch the pubes or genitals of a child.
2. Permit or cause a child to fondle or touch the person's genitals or pubes.
3. Solicit a child to engage in a sex act or

solicit a person to arrange a sex act with a child.

4. Inflict pain or discomfort upon a child or permit a child to inflict pain or discomfort on the person.

Through an investigation, Story County Sheriff's Office detectives determined Trachta had been engaging in inappropriate contact with a 4-year-old female during the course of several months.

Lascivious acts in the Iowa State Code is a class D felony.

Illegal Substances

Marijuana found in residents' home

Drug paraphernalia leads to arrest of two adults

By Abigail Barefoot
Daily Staff Writer

The Central Iowa Drug Task Force and the Iowa Department of Narcotics Enforcement arrested two adults for possession of marijuana with intent to sell.

The Central Iowa Drug Task Force and the Iowa Department of Narcotics Enforcement executed a search warrant Thursday at 2514 Bristol Drive.

During the search, officers located numerous plants of marijuana growing indoors, anabolic steroids and more than a pound of manicured marijuana.

Clark Way and Renee Wrabek, both 36, were arrested and transported to the Story County Jail on the following charges:

- Drug Tax Stamp Violation — 15 counts
- Possession with intent to deliver marijuana
- Possession of controlled substance —



Way



Wrabek

- anabolic steroids
- Possession of controlled substance — hydrocodone
- Unlawful possession of prescription drugs
- Possession of marijuana with intent to manufacture — 15 counts

The criminal investigation of the incident is ongoing by the Central Iowa Drug Task Force and further charges may follow.

New Poll

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- It should be legal for medical purposes
- It should be legal - and we should tax it
- Not sure

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Milestone

Anniversary celebration planned for 50th year

Department party reconnects alumni with students

By Katherine Klingseis
Daily Staff Writer

The year is 1960. Elvis Presley sings to sold-out crowds, the American people elect John F. Kennedy to be president and, at Iowa State, a group of professors form the Department of Biochemistry, Biophysics and Molecular Biology.

The department marks 2010 as the 50th anniversary of its establishment. To commemorate, the department is having a celebration July 23-25.

A planning group designed to set up the event consists of former chairmen Bernie White and Don Graves, former graduate student Wen-Chy Chu, former undergraduate student Teresa Kelley, the department's undergraduate program coordinator Desiree Gunning and the department's chairman Aragula Gururaj Rao.

"We are looking to host about 225 people for this upcoming event," Gunning said. "That number represents a

cross-section of all the decades."

The two-day event begins with registration, followed by tours of the Molecular Biology Building led by ISU students. The official start is the BBMB Past and Present program. To conclude, there will be a social mixer, featuring hors d'oeuvres and a bar.

"[The event] is about connecting the past with the present, which is something you don't have a lot of opportunities to accomplish, and this is that opportunity," Gunning said.

"It's about connecting with the people who were once so much a part of the department who moved on and are now coming back," Gunning said. "It's that sense of being a part of a family."

The second day will begin with a continental breakfast, followed by speakers and presentations. The rest of the day



Rao

will be devoted to more speakers and presentations, as well as networking breaks.

The event will conclude with a dinner gala at Gateway Hotel and Conference Center. At the gala, there will be the concluding program BBMB Future.

"The 50th anniversary for anybody [or] anything is a big event," Gunning said. "We are really excited about the alumni that are returning."

During the past 50 years, 1,400 students have graduated from the Department of Biochemistry, Biophysics and Molecular Biology. Today, the department hopes to stay connected with all of its alumni.

Gunning also hopes the event will serve as a reminder for the attendees of their time at Iowa State.

"[The most important part of the event] is bringing everyone together to remind them how important their time was in the department; also for the department to continue to hold a place in their hearts and in their minds."

Technology

Ames Laboratory awarded R&D 'Oscar of Invention'

By Katherine Klingseis
Daily Staff Writer

R&D Magazine, a research and development magazine, gives awards to the 100 most technologically significant products introduced in the past year. The R&D 100 Awards are often called the "Oscars of Invention," and Ames Laboratory has received 18 of these Oscars, including one in 2010.

The U.S. Department of Energy Ames Laboratory won the R&D 100 Award for its work on osgBullet, a software package that utilizes OpenSceneGraph, a high performance 3-D graphic toolkit; and Bullet, a 3-D game multi-physics library.

The lead scientists for the project were Mark Bryden, program director of Ames Laboratory's Simulation, Modeling and Decision Science research program and associate professor of mechanical engineering; and Doug McCorkle, associate scientist at Ames Laboratory and ISU Virtual Reality Application Center. The software will be used by the U.S. Army and the U.S. Department of Energy.

"For the army, [osgBullet] will be used in their engineering design process for their maintenance containers and repair facilities," McCorkle said. "They use this to shorten and lower the cost of their design and engineering process."

OsgBullet enables its users to create 3-D environments. OsgBullet automates this process, making the process easier, faster and cheaper.

"The engineer or scientist [working with osgBullet] has a high level of control over the data

that's created and can be used in the 3-D environment," McCorkle said.

The U.S. Department of Energy plans to use osgBullet to create virtual walkthroughs of power plants, to display new technologies in the power plants.

"OsgBullet is highly focused on being able to handle large CADD assemblies, large 3-D models, for the purpose of engineering the end design very efficiently," McCorkle said.

Most products on the market today are focused on training environments or game simulation. Software used for training and gaming are not well-suited for engineering. OsgBullet is capable of handling most of an engineer's demands.

Next year, Bryden and McCorkle plan to enhance osgBullet by allowing its users to interact with objects anywhere on Earth.

"We'll have an integrated environment with [Geographic Information System] data, and then you can go anywhere on the surface of the Earth and look at the design and the context of the surroundings," McCorkle said.

The scientists will also be working on performance enhancements to the simulator in order to create a multi-body dynamic physics data.

"I hope [osgBullet] becomes a well-used toolkit for rapidly creating interactive 3-D environments based on 3-D CADD data," McCorkle said. "I hope [support for osgBullet] will continue to grow and expand, and attract more users."



Bryden

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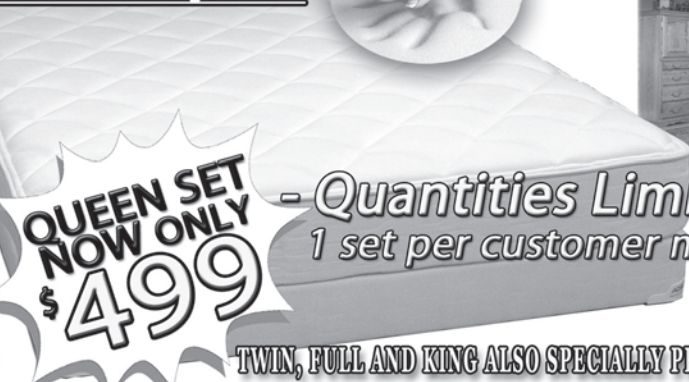
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- You know the old-school Cyclons from "Battlestar Galactica" are cooler because they aren't CG.
- You're saving your VHS "Star Wars: A New Hope" so your children can see Han shoot first.



- Daily Staff



iowastatedaily.com/opinion

Courtesy photo: Rico Torres/Twentieth Century Fox



Stoffa:
"Predators" review

Music



The up-and-coming band The National keeps a unique and inspiring sound that reflects the lives of people moving through a hectic world. Courtesy photo: The National

The National has unique sound

Among the ever grave events in the recent summer months, we find deeply embedded inside the headlines and party politics a shred of decency. I'm afraid it does not lie in any delusion of a political savior or in some false silver lining in policy changes, but in the only thing I find to be truly and unabashedly reliable: music.

In a world that is frighteningly losing its humor, and the growing distance between people due to the massive influx of technological communication, we have begun to lose our ability to relate.

We live in a world with instant availability of new information spanning one end of the world to another.

Today it is very possible to function without any sort of close human connection. A person could go days being completely connected and not actually interacting with another human in person.

With this, our compassion grows thin. With no help from our news sources we fall deeper into a narcissistic and pessimistic pit full of inflated headlines and show politics. Yet, it's nearly impossible to avoid.

However, with this technology comes something great, a massive explosion in music. It's a truly beautiful

Rachel Johnson is a senior in English from Birmingham, Ala.

feeling when one discovers something that makes their soul explode with a simple chord change.

Thinking deeply on the subject I find I rely on music much more than anything else to give me unconditional comfort and the inspiration I need.

I don't think I'm alone on this either. More often than not I find that when someone is troubled, they turn to that song or band that brings them back to a place of bliss, leaving whatever sadness they have in the far reaches of their mind; even if it's only for a little while.

It is necessary for our generation to understand our political and economic situation — that is an inarguable fact. However, I do feel that some get far too wrapped up in a political process based on party bias and under-the-table bargaining. It has stopped being about the people, it has become about a select few and their illusions of power.

Take time to sit and pay tribute to the music you love.

We all know the condition of politics in this country, and there is only so much you can say before the argument

becomes so obnoxious we form new and completely ridiculous ideologies — all it becomes then is embarrassing.

My true love is the music I love simply because, no matter what, I can sit down with a glass of whiskey, put on an album and trust that album to be as I left it; to be as beautiful as it was that last time I listened.

It's an uncertain world with frightening circumstances, but within the confines of our record players and iPods rest our real truths.

Whatever music it is you love, the relevant point is music can make this politically convoluted system seem less apocalyptic.

Music is written for communication; for musicians to communicate with listeners and with each other allowing us find ourselves mirrored in something that expects nothing in return.

I only hope we can keep the politics out of music. There needs to be something evident in our lives that allows us to be unconditionally comforted without the expectation of campaign contributions or lobbyists.

Music contains within it the ability for us to fall in love. For me, The National holds my heart all to itself.

This band has the ability to render me paralytic.

There is a unique kind of honesty in their lyrics that tells real stories about men and women, who live, sleep, get drunk and sleep together.

Their ability to be utterly self-destructive, but oddly optimistic, places a mirror before listeners — we find within the songs images of times in our own lives.

They released their new album, "High Violet," in May; once again giving fans the stories they fell in love with on their previous albums. Songs such as "Sorrow" and "Bloodbuzz Ohio" ring with nostalgia and emotional surges from the beautiful hooks that partly define The National's wonder.

The characters are real, giving the band the title of a literary band or a band that tells consistent stories full of actions and reactions with consequences such as in "Lemonworld," a stand-out on the album sung from the clear direction of a lonely man living in the city facing the reality of the world he lives in and taking comfort in the small things he enjoys.

It is bands such as this that gives the connection severely needed in this state of public affairs.

Literature

Faith in society's literacy restored in a short flight

I'm flying from Minneapolis to Los Angeles. It's a three and a half hour flight, which means there is plenty of time to read.

In the seat-pocket ahead of me, I've got plenty of choices: Skymall, Sky magazine, a menu, a safety procedures brochure and the instructions to the barf bag. Several people around the cabin are reading. Some have books from the "Twilight" series. One middle-aged man is reading "The Gospel According to Dan Brown." At least a dozen women are skimming In Touch, OK! and Us magazines.

In the context of what I see other passengers reading, the barf bag instructions look equally stimulating. New York Times best sellers and celebrity gossip magazines are the bread and butter for airport kiosks and bookstores. You'll also find the same fare in Hy-Vee check-out lines and gas station aisles.

It makes sense for products most palatable by a mass audience to be the most widely available. They are bound to sell and will make money. The creative writer in me wants to discount these books as garbage, these magazines as mindless entertainment and these instructions as postmodern masterpieces.

I pull Elie Wiesel's "Night" out of my carry-on, and start reading. I am immediately engrossed in the book. Blunt de-

Logan McDonald is a graduate in English literary studies from Spirit Lake

scriptions of life in concentration camps is not light reading. I put down "Night" with a feeling I've read something substantial, and I still have an hour before we reach Los Angeles.

By now, a lot of people are sleeping, but a few reading lights are still on. Across the aisle, a middle aged woman is flipping past pictures of celebrities in swim suits and pauses to read blurbs about a new couple or Rihanna's latest fashion faux pas. The mustachioed man next to me has fallen asleep with his book of dogmatic criticism of popular literature illuminated on his lap.

It seems like literature has become just a pastime, something to do between eating dinner and watching TV. There is no search for deeper meaning when you reading where Justin Bieber ate lunch. There is no mental stimulation in reading, but to help put you to sleep. There's good reason for Cliff's Notes versions of great pieces of literature: Most people don't care about the deeper meaning that can be found in writing.

I don't necessarily want everyone to be to be nose-deep in a book at all times, or even hope to expect 1 in 10 college

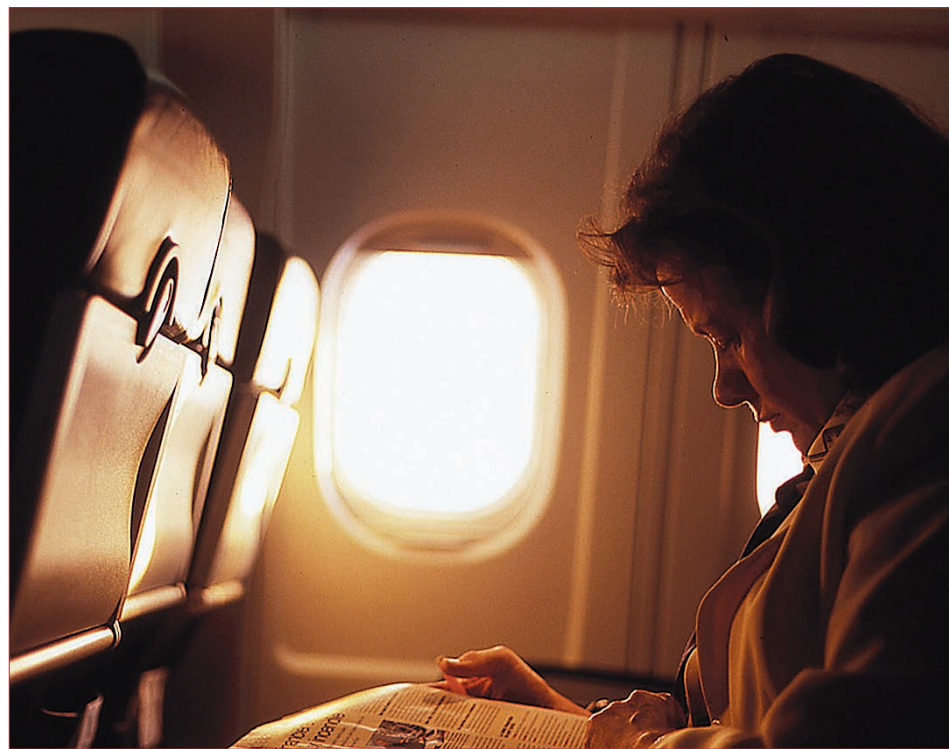
students to crack something that isn't assigned literature. I just think that it would be nice to ask someone if they've heard of "Fight Club," and get a response that involves more Chuck Palahniuk and less Edward Norton.

In this age of "c u l8t" [sic] literacy, teen vampire romance as an allegory to biblical narratives just doesn't mean what it used to.

It's 10 days later, and I'm flying from Minneapolis to Des Moines. So far, in four airports and five connecting flights, I had been looking at the covers of books with the hope of finding a fellow literati. And so far, I have found enough copies of "Twilight" novels to rival most middle schools. It's enough to shake my faith in the future of my writing career. The girl next to me is flipping through her complimentary Sky magazine. The stewardess tells us to return our seats to the fully upright position and return our tray tables to the up position, stowing away all luggage as we prepare to descent.

As I'm stashing my bag under my seat, I notice the man sitting in the aisle behind me is reading a book. It's "All the Pretty Horses" by Cormac McCarthy, one of my favorite novels of all time.

My faith in writing has been restored, even if it is only temporary.



Many passengers on an airplane fall into the category of shallow readers, by Logan McDonald's standards. Celebrity gossip magazines and teenage vampire romance novels seem to be at the core of society's reading habits. Courtesy photo: Bach Tran/Flickr



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Avello Bioenergy

Sustainability efforts continue on strong

By Ivy Christianson
Daily Staff Writer

With companies like Avello Bioenergy Inc., Iowa State can maintain its high status as a college leader in sustainability issues.

Avello Bioenergy Inc. is a company developed by Iowa State focused on commercializing technology. It was started by AJ Pollard, Jared Brown and Cody Ellens.

Pollard, Jared and Ellens, all recent graduates from the masters program in mechanical engineering and biorenewable technologies, were approached by Robert Brown, distinguished professor of mechanical engineering, to begin a business in which they could use the knowledge obtained from their respective programs.

The three men credit much of the idea to Robert, but they ran with the idea once presented.

"Avello has transformed conventional biomass fast pyrolysis products into low cost and profitable feedstocks for renewable energy, chemical and material applications," according to their website.

With the exclusive licenses from the ISU Research Foundation Inc., the men were given the right to use the bio oil separation technology and bioasphalt. The bioasphalt patent was developed by Christopher Williams, associate professor in civil, construction and environmental engineering while the other patent was developed by Pollard and Robert.

"[Avello Bioenergy Inc.] is a start-up company that is a spin out of Iowa State trying to commercialize technology developed at Iowa State in the mechanical



AJ Pollard, left, and Jared Brown co-founded Avello Bioenergy Inc. along with Cody Ellens and Dennis Banasiak. Avello Bioenergy is working with the BioCentury Research Farm as a stepping stone on their way to a commercial application. Photo: Logan Gaedke/Iowa State Daily

engineering department," Ellens said.

Specifically, the group utilizes fast pyrolysis technology. Ellens describes the process as heating up biomass, such as wood chips and agricultural

residues, in the absence of oxygen at a temperature that vaporizes and forms non-condensable gas, pyrolysis oil and biochar products. All these products can then be used in different ways to

create renewable chemicals, advanced biofuels, renewable power, heat and soil amendments.

The business has received several grants, and Iowa State has made sure to

make resources available.

"We had support from the university, help from the Pappajohn Entre-

see **TECHNOLOGY** on **PAGE 11**



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Ames Summer Tourism

Summer events, activities draw tourist crowds to Ames in July

By Micaela Cashman
Daily Staff Writer

Ames may not be the top vacation destination in the Midwest, but the town does have its events and activities that draw visitors in.

Businesses are especially preparing for July, as many tourist attractions are taking place.

The Iowa Games kicked off Friday. The main weekend of the games is July 15-18, with the event concluding July 23-25.

The Iowa Games hosts 15,000 athletes from all over the state who participate in Olympic-style sports. Athletes are of all ages and abilities, with 54 team and individual events taking place.

The 38th Annual Iowa Shrine Bowl takes place at 5:00 p.m. July 24 at Jack Trice Stadium, with kickoff set at 7:00 p.m.

The Iowa Shrine Bowl is a competition for all-star pre-college football players from all over the state. Both teams combined have 92 players and a 60-member cheer squad.

Tickets sell for \$10-\$15, and all proceeds go to the Shriners Hospital for Children.

To kick off the event, the Iowa Shrine Bowl hosts a parade at 9:30 p.m. on Main Street. Those athletes and their families take over Ames, and businesses take advantage of the extra business with Red Carpet Coupons, available at the Ames Information Booth on University Boulevard.

These coupons provide visitors with deals at businesses all across the area.

In addition to these classic athletic events, Ames hosts the Buick Club of America National Meet. This year, it takes place July 27-31.

The meet consists of a car show, vendor exhibits, corn boil and a hog roast. With a \$10 entry fee, the Iowa State Center parking lots are open to all makes and models of vehicles to showcase.

Proceeds go to the Make-A-Wish Foundation of Iowa.



Keith Rush of Griswold High School attempts to break a tackle July 25, 2009, during the Iowa Shrine Bowl at Jack Trice Stadium. File Photo: Iowa State Daily

Many music events are scheduled for July and August throughout Ames as well:

Tune Into Main Street

Thursdays 5:30-7:30 p.m. at Tom Evans Plaza

- July 15- Brewer Project
- July 22- Scott Davis Band
- July 29- Keith McCauley and Friends

Ames Municipal Band

Thursdays 8 p.m. at Bandshell Park

- July 15- Jive for Five

Ames on the Half Shell

Fridays 5 p.m. at Bandshell Park

- July 9- Trouble No More
- July 16- Dave Zollo and the Body Electric
- July 23- Bonne Finken and the Collective
- July 30- Saucy Jack

Live Music at Prairie Moon Winery

Sundays 3-6 p.m.

- July 11- The Eldorado Band
- July 18- Trouble No More
- July 25- Lincoln Rock House

Young Professionals of Ames



Families float under the wooden bridge over the lazy river Saturday at Furman Aquatic Center. File photo: Amrutesh Mohanty/Iowa State Daily

Free pool day at aquatic center to support hygiene

By Micaela Cashman
Daily Staff Writer

The Young Professionals of Ames, an organization affiliated with the Ames Chamber of Commerce, is sponsoring a free pool day Tuesday at Furman Aquatic Center.

At the event, Give for a Splash, participants will gain free entrance to the pool in exchange for a donated personal hygiene product. Those donations will go to Mid-Iowa Community Action.

Free entrance will be granted from 1-8 p.m. The rain date is set for 1-8 p.m. July 20.

The YPA said its goal for the event is to improve the quality of life for others, while giving people a chance to try out the new pool for free.

Recommended donation items include deodorant, toothbrushes, sunscreen and cotton balls.

College Apparel

Sigler on Main cuts ribbon, opens doors for business

Sigler on Main will have their official ribbon-cutting ceremony at 11 a.m. August 4.

The clothing store, located at 304 Main St., opened in June on the main floor of Innova's office building.

Sigler on Main will carry ISU, Iowa, and UNI apparel. It boasts a wide variety of brands including Tommy Hilfiger, Tailgate and Nike.

Recently, the store started carrying Fight Like a Girl and Greater Than Goods merchandise. A portion of the profits from that merchandise will go to the foundations that raise breast cancer awareness, and support the relief effort for the Gulf Coast, respectively.

Many items the store carries are designed by people from Ames. Several are ISU graduates. The store also has vintage designs from all three schools that cannot be found anywhere else. The store's hours are 10 a.m. - 6 p.m. Monday, Tuesday, Wednesday and Friday; 10 a.m. - 8 p.m. Thursday; and 10 a.m. - 5 p.m. Saturday.

Visit Sigler on Main's Facebook fan page for more information.

-Daily Staff

TECHNOLOGY

from PAGE 10

preneurial Center and a lot of pieces started falling into place once Dennis became president," Jared said.

Dennis Banasiak was approached to become Avello's president because of his background in developing and commercializing technology.

"He has certainly given us direction, and his contacts help our company move along; that's been a real help," Ellens said.

Banasiak said he knows how to interact with the agriculture and energy communities, giv-

ing him a unique background in the area. As president, he is responsible for all the activities of the company. He interacts with investors, raises funds and builds company interest.

However, the company is not at the point where they are ready to sell their products quite yet.

"We're focusing a lot on the engineering, so there's a lot of work associated with gathering the information and providing the proposal to give companies all the info they'll need to make a decision," Pollard said. "We're also preparing for some long-term test runs, which are going to take up quite a bit of

our time."

The owners really want to center attention onto their products and how their technologies are important to today's society. Their bioasphalt was tested in the lab and found to meet all standards required for paving asphalt.

The Iowa Department of Transportation will be conducting a bike path test later this summer. The biofuel oil is suitable as a boiler fuel for industrial heat and power generation and may be blended with home heating oil to satisfy renewable energy mandates, according to the Avello website.

Banasiak said students

should care about Avello Bioenergy Inc. not only because it's a homegrown technology developed at Iowa State, but their company also utilizes incubator and development resources Iowa State has put into place to help start-up companies move quickly toward commercialization.

Ellens said this a unique technology and no one else is doing it. It gives recognition to Iowa State as a lead institution for biorenewable products and new technologies.

To learn more about Avello Bioenergy Inc., visit its website at <http://www.avellobioenergy.com>.

Men's Basketball

Talented forward Royce White signs with Iowa State

Royce White, the talented forward who left Minnesota under a cloud, has decided to play basketball at Iowa State.

White, a 6-foot-8-inch, 250-pound forward from Minneapolis, was Minnesota's Mr. Basketball in 2009.

He signed with Minnesota but never played a game for the Golden Gophers.

White was suspended last fall after an incident at the Mall of America.

He later pleaded guilty to theft and disorderly conduct.

White left Minnesota in February after being charged with trespassing in connection to an alleged theft of a laptop computer from a university dorm.

White has four years of eligibility left and is in the process of applying for a waiver from the NCAA to become eligible next season. Iowa State expects to learn the results of that waiver request later in the summer.

—The Associated Press

NCAA

March Madness expanded format released for 2011

The NCAA released details Monday of how the expanded 68-team format will work for the men's basketball tournament, beginning in March 2011.

—The first round will now include eight teams playing to advance to the second round — the first Thursday through Friday of the tournament.

—Two first-round games will match teams seeded 65-68 and the winners advance to play a No. 1 seed. These will almost surely be small schools; none of the 15 or 16 seeds in last season's tournament were from a BCS conference.

—The other two first-round games will include the last four at-large teams selected, raising the possibility that teams from BCS conferences will have to play their way into the second round. These teams will be seeded where they would normally be placed in the bracket, meaning a first-round game between two No. 10 seeds would result in the winner advancing to play a No. 7 seed.

—Teams will continue to be assigned to the closest available geographic location while avoiding regular-season rematches and conference opponents.

—The tournament will have 31 conference automatic qualifiers and 37 at-large selections. The first round will be broadcast nationally on Turner Broadcasting's truTV.

—The Associated Press

World Cup



A man overlooks Cape Town, South Africa on Saturday. On the field, South Africa fared worse than any host nation in World Cup history. Off the field, it was a winner, overcoming past strife and present troubles to charm the world. File photo: Roberto Candia/The Associated Press

Hosts charm world off field

First World Cup held in Africa a huge success

By David Crary
AP National Writer

JOHANNESBURG — On the field of play, South Africa fared worse than any host nation in World Cup history.

Off the field, it was a resounding winner, overcoming past strife and present troubles to charm the world with pluck, hard work and warmth.

The pre-tournament skeptics abroad — who forecast crime and chaos — had to swallow their words.

At home, black and white South Africans joined together as never before, sharing pride in their formerly fractured country

and marveling at the world's embrace.

"We have bedazzled ourselves, and the world, with our warmth, efficiency, beauty and our promise," said retired Archbishop Desmond Tutu, who won a Nobel Peace Prize in 1984 for his fight against apartheid. "Never before have we experienced this overwhelming joy of unity in purpose."

It was the first World Cup held in Africa — and the biggest global gathering ever in a country that for decades was isolated by a sports boycott over its racist laws and white-minority government.

FIFA head Sepp Blatter, an early champion of bringing the tournament to Africa, gave the South African organizers a grade of 9 out of 10 — "summa cum laude" — and said their nation had "responded brilliantly" to its role as host.

The success of the tournament seemed to amaze even the die-hard optimists,

prompting them to wonder how the nation can sustain the momentum for other purposes.

"We have been able to show the world that we have what it takes to compete at the highest level, united in our diversity," said President Jacob Zuma.

Visitors who came apprehensively "discovered that we are a winning nation of very humble, hospitable people," he said.

Well, not always humble. White and black, Asian, mixed-race — they tooted their plastic vuvuzelas, flew the gaudy South African flag from their cars and homes, and donned hats, scarves and jerseys in the electric yellow of their national team, Bafana Bafana. And even when the team was ousted after the opening round in a first for a World Cup host, the enthusiasm and soli-

see **WORLD CUP** on **PAGE 13**

World Cup Prognostication

Octopus oracle Paul to retire

BERLIN — No more World Cup, no more octopus oracle.

Paul, the octopus who became a pop culture sensation by correctly predicting the outcome of as many World Cup matches as he has legs — all seven of Germany's games plus the Spain-Netherlands final — is going to retire.

The intuitive invertebrate will “step back from the official oracle business,” said Tanja Munzig, spokeswoman for the Sea Life aquarium in Oberhausen, to AP Television News.

“He won't give any more oracle predictions — either in football, nor in politics, lifestyle or economy,” she said. “Paul will get back to his former job, namely making children laugh.”

However, Paul took one last curtain call Monday.

Aquarium employees presented the octopus with a golden cup — similar to the official World Cup trophy.

Although the cup was garnished with three mussels, Paul



Octopus oracle Paul chooses a mussel from a glass tank marked with a Spanish flag, next to a box with a flag of Holland, Friday in the SeaLife Aquarium in Oberhausen, Germany. Paul predicts Spain will beat Holland and win the World Cup. Photo: Roberto Pfeil/The Associated Press

ignored it for several minutes while it was lowered into his tank.

He finally picked off one mussel and devoured it in front

of television cameras.

Paul won worldwide attention as he called all of Germany's games correctly — including its semifinal defeat by Spain.

He crowned his career by forecasting correctly that Spain would beat Holland in Sunday's final.

—The Associated Press

WORLD CUP

from **PAGE 12**

clarity remained.

Many of the advance news stories highlighted South Africa's high rate of violent crime, implying that visitors should be on constant guard. It turned out that crime related to the tournament was minuscule, and the national police commissioner, Gen. Bheki Cele, lauded his security forces.

Also unrealized were fears of rampant hooliganism and crowd-control problems. The worst security breaches were an intruder in the English team's dressing room in Cape Town, and two men who ran onto the field, one at Germany-Spain semifinal in Durban, and the other just before the final at Johannesburg's Soccer City.

The tournament attracted 400,000 foreign visitors, although final figures remain to be compiled. FIFA said 3.18 million fans attended the 64 matches — the third-highest overall for a World Cup.

The success of the tournament won't chase away South Africa's many daunting problems: a jobless rate above 25 percent; a stubborn HIV/AIDS epidemic; a glaring gap because the wealthy and the legions of poor; schools in black townships so bad that many students make long commutes in crowded vans to schools in traditionally white neighborhoods.

Thus the euphoria already is accompanied by questions about the future — namely, how can South Africa harness the World Cup enthusiasm and solidarity to tackle its long-term problems.

“Our collective challenge is clear,” said Danny Jordaan, chief of the local organizing committee. “To keep the spirit of 2010 alive, to nurture the flame of unity and self-confidence, to ensure this precious light illuminates our country for year to come.”

One possible bonus was confirmed Monday by top sports officials: The well-run World Cup could embolden South Africa to make a serious bid for the Summer Olympics in 2020 or 2024.



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MLB

Ubaldo Jimenez, David Price to start All-Star game

By Janie McCauley
AP Baseball Writer

ANAHEIM, Calif. — Colorado ace Ubaldo Jimenez will start for the National League in the All-Star game while the American League will counter with Tampa Bay's David Price.

In this year of the pitcher, Jimenez was a fitting pick by Phillies manager Charlie Manuel on Monday.

"One of the great talents in baseball and he's a treat to watch pitch," Manuel said of choosing Jimenez over Florida's Josh Johnson. "This guy's 15-1. His record speaks for itself."

The NL will try Tuesday night at Angel Stadium to end a 13-year drought in baseball's midsummer

classic. Jimenez has a 2.20 ERA in 18 starts and 127 innings for the surging Rockies. Price is 12-4 with a 2.42 ERA. Johnson is 9-3 with a majors-best 1.70 ERA for the Marlins.

"It's just a huge honor for me to be out here," Jimenez said. "Hopefully we can put everything together and break the losing streak."

Philadelphia slugger Ryan Howard will be the National League designated hitter and bat cleanup for his regular skipper, Manuel.

"Not only is he my guy, he's got 119 at-bats against left-handed pitchers and 65 RBIs," Manuel said. "He can hit 'em. He's hitting .294. He's very capable of hitting fourth in an All-Star lineup."

There was some confusion, however, about Boston third baseman Adrian Beltre.

AL manager Joe Girardi announced that Texas third baseman Michael Young would replace Beltre, who left Sunday's game at Toronto with a strained left hamstring.

But less than an hour later, Beltre said he planned to play.

MLB executive Phyllis Merhige said an announcement about Beltre's status was made prematurely.

He planned to test his leg at the ballpark before making a final decision.

"They announced it without telling me," Beltre said. "I'm think I'm going to play and I'm going to be on the active roster."

Free Agency

Mural of LeBron James removed in Cleveland

By Tom Withers
AP Sports Writer

CLEVELAND — LeBron James has left the building.

Workers have finished removing a gigantic Nike banner featuring James.

The sign hung on the side of a downtown office building for years as it served as a background for the Cleveland Cavaliers' success during the seven years he played for them.

The mural was taken down after James announced he was leaving Cleveland as a free agent to play with fellow superstars Dwyane Wade and Chris Bosh, who moved from the Toronto Raptors, in Miami.

In the hours after James' announcement, some angry Cavaliers fans gathered to hurl rocks at the 10-story sign that featured James



James

with his arms outstretched after tossing powder into the air under the heading: "We Are All Witnesses."

Nike spokesman Kejuan Wilkins said he did not yet know what the company plans to do with the sign.

The sign hung on the side of the Landmark Office Towers across the street from Quicken Loans Arena, the Cavaliers' home arena.

Meanwhile, James is still planning to attend his annual charity bikeathon in Akron, Ohio, on Aug. 7.

On Monday, James' publicist, Keith Estabrook, said the All-Star intends to participate in the fifth annual "King for Kids Bikeathon" event in his hometown.

In the past, James has been joined at the event by Wade and New Orleans guard Chris Paul.

James, who attended good friend Carmelo Anthony's wedding in New York over the weekend, is on vacation, Estabrook said.

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Sublease West Ames ground floor 2br. 2ba. Garage, cable & internet included. \$770/mo. 515-509-7537.

Sublease Roommate

Roommate needed to sublet or sign own lease in a 5 BR, 4 BA townhouse located @ 1425 Coconino Road, Ames. Available August 1, 2010. \$350/mo + utilities. Very motivated to get subletor or new lease. May be willing to pay deposit for the right person. Contact Zach @ 515-320-2199 or Jodie @ 515-320-2225.

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what? just sayin'

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-just sayin'

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Sudoku

	9		6	1			7	
	5		3		7	9	1	
6								2
						6		
	8			5			3	
		2						
8								1
	2	4	5		9		6	
	7			3	8		5	

8	8	6	2	5	9	7	1	3
7	1	6	4	3	9	8	6	5
5	9	3	5	6	4	1	8	2
4	7	5	1	2	9	4	3	8
1	2	9	8	5	6	4	7	3
6	3	8	7	1	2	9	4	5
3	8	1	7	9	4	5	6	2
9	5	6	4	3	8	2	7	1
2	4	6	3	7	1	5	9	8

Solution:

INSTRUCTIONS: Complete the grid so each row, column and 3-by-3 box (in bold borders) contains every number 1 to 9. For strategies on solving Sudoku, visit www.sudoku.org.uk.

what? just sayin'

I really like sleeping through church; reminds me of my childhood.

When you're expecting a package, everything sounds like the FedEx truck.

Don't use your office space as your hotel room. You know who you are.

The weather: hot as balls.

I used to think I was indecisive, but now I'm not so sure.

The Best way to get over a guy is to get a new one!

The end is near time to move out roomie... yeah!

Hey dog workers pickup what your friend puts down Pleaz!

Edward is Hot!!!

Joke of the Day

A farm boy accidentally overturned his wagonload of corn. The farmer who lived nearby heard the noise and yelled over to the boy, "Hey Willis forget your troubles. Come in and visit with us. I'll help you get the wagon up later."

"That's mighty nice of you," Willis answered, "but I don't think Pa would like me to."

"Aw come on boy," the farmer insisted.

"Well okay," the boy finally agreed, and added, "but Pa won't like it." After a hearty dinner, Willis thanked his host. "I feel a lot better now, but I know Pa is going to be real upset."

"Don't be foolish!" the neighbor said with a smile. "By the way, where is he?"

"Under the wagon."

Submit your LMAO(txt) and just sayin' to iowastatedaily.net/games

LMAO[txt]

[402] Leave it to him to get us kicked out of a bar for hitting on an 80 year old woman.

[515] Yeah I want to be that wasted one day

[319] Please tell me you have a size medium men's ISU pullover and that you forgot it here last night

[712] Yeah after that I puked all over someone's car in the parking lot... we are definitely partying with him again.

[515] There are 9 condoms on my bed either i met the greatest girl ever last night or something horrible has happened.

Submit your LMAO(txt) at iowastatedaily.net/games to get published online or on the games page.

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Daily Crossword : edited by Wayne Robert Williams

1	2	3	4	5		6	7	8	9	10		11	12	13
14						15						16		
17					18							19		
20					21					22	23			
24				25				26	27					
			28				29						30	31
32	33	34					35					36		
37					38	39					40			
41				42						43				
44			45					46	47					
			48					49				50	51	52
53	54						55				56			
57				58	59	60				61				
62				63						64				
65				66						67				

Across

- 1 Sells for
6 In any way, shape or form
11 Word with legal or lily
14 Fur tycoon John Jacob
15 Wild Australian dog
16 Census datum
17 "I Dream of Jeannie" star
19 CD-
20 Flu-like symptom
21 Lifesaving technique: Abbr.
22 Slangy starting point
24 "Dig in!"
26 Bike without pedaling
28 WWII aircraft carrier nicknamed "Tokyo Express"
32 Cricket call
35 Type of sax
36 Steamed up
37 Solitary
38 Mag with a "Bachelor of the Year" contest
40 Libraries do it
41 Menu catchphrase
42 Crate component
43 Merchandise
44 1928 #1 song heard in a 1990 Steve Martin film of the same name
48 Sequence with a Y, sometimes
49 Spouse's resigned assent
53 Taxpayer's dread
55 Take in, as a movie
56 Ultimatum end
57 Incidentally, in online shorthand
58 Narrator in Kerouac's "On the Road"
62 Plea from a lea
63 Walk leisurely
64 Scammed
65 Inclined to avoid the spotlight
66 Give the slip
67 Unable to sit still

Down

- 1 Conspiring group
2 Oklahoma native
3 Pompous gait
4 "Without a doubt!"
5 Mme. in Madrid
6 Copes with change

- 7 Wedding cake layer
8 "Furthermore ..."
9 Part of XL: Abbr.
10 In olden days
11 Many a McDonald's worker
12 Psyched up
13 Test-driven car
18 Some HDTVs
23 Jerusalem is its cap.
25 Eerie ability, briefly
26 Pre-storm period
27 Savvy about
29 Too big a hurry
30 Co-worker of Kent and Olsen
31 Mixes in
32 Be silent, with "up"
33 Fit for sainthood
34 Really hurting
38 Egyptian played by Liz
39 Diamond Head's island
40 Stopped at, as a board game square
42 "Sounds good"
43 "Scream" director Craven
45 Luau wreath
46 Salt's assent
47 Avoid a pothole, say
50 Mass-mailing tool
51 Pompous types
52 Like a bassoon's sound
53 Aerial defense weapons, for short
54 Bryce Canyon's state
55 Exceeded the limit
59 IM provider
60 Baton Rouge sch.
61 "Solved it!"



Today's solution

Daily Horoscope : by Nancy Black & Stephanie Clements

Today's birthday (7/13/10). Mental activity this year incorporates undeniable insight and logic. Merge the two and shape your will to achieve success. You may take a very different direction, but that's all right. Different may be just what you need.

To get the advantage, check the day's rating: 10 is the easiest day, 0 the most challenging.

Aries (March 21-April 19) -- Today is an 8 -- Associates travel a different creative path. You happily operate on feelings and imagination. They need practical, material reasons.

Taurus (April 20-May 20) -- Today is a 6 -- Between the time you invent something and tell others, a complete creative process occurs. Imagination becomes practical reality.

Gemini (May 21-June 21) -- Today is an 8 -- It's easy to multitask today. That said, be careful with hot or sharp objects. Most of the action occurs on the mental plane.

Cancer (June 22-July 22) -- Today is a 7 -- Remain open to possibilities from family members and friends. Cultivate ideas from a partner, and put someone else in charge. Teamwork is key.

Gemini: It's easy to multitask today.

Leo (July 23-Aug. 22) -- Today is a 5 -- Develop imaginative input that provides independence for everyone in the group. Use minimal inspirational jargon. Instead, appeal to optimism.

Virgo (Aug. 23-Sept. 22) -- Today is a 6 -- Expand your thinking. You may have thought you had all the details nailed down, but imagination is still at play.

Libra (Sept. 23-Oct. 22) -- Today is a 7 -- Your partner plans a social event, but doesn't tell you ahead of time. Oh, well. Cheerfully accept your role. It'll be fun.

Scorpio (Oct. 23-Nov. 21) -- Today is a 6 -- Discussion of details exhausts your patience. Don't wait for total agreement. Proceed independently, if others don't want to play.

Sagittarius (Nov. 22-Dec. 21) -- Today is a 6 -- If you tackle work early in the day, you free up time for all sorts of fun. You can take someone along or just do it yourself.

Capricorn (Dec. 22-Jan. 19) -- Today is a 7 -- Stay out of the spotlight, unless you're willing to accept an enormous challenge (comparable to moving the Earth out of orbit).

Aquarius (Jan. 20-Feb. 18) -- Today is a 5 -- Place your attention on something outside yourself. Today you learn far more by watching others at work and play. Absorb a new technique.

Pisces (Feb. 19-March 20) -- Today is a 7 -- Wisdom suggests that you think through possibilities before you make any pronouncements. Don't jump the gun due to pressure.



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Tips from our Dietitian: Amy Clark RD, LD

DID YOU KNOW?

On a hot summer day, a fruit smoothie can be a refreshing way to cool down and get a healthy meal-on-the-go. Fresh fruits are in abundance during the summer and are loaded with vitamins, minerals, fiber and disease-fighting phytochemicals. Fruit smoothies usually combine fresh or frozen fruit with yogurt and/or milk, making it a nutritious beverage choice for any time of the day. Try adding chia seed to your next smoothie. Its soluble fiber also may have a role in controlling appetite and cholesterol.



Matt O'Brien, senior in accounting and finance, inspects the Big Belly Solar Compactor Aug. 20, 2009, in front of Curtiss Hall. File photo: Iowa State Daily

CONSERVATION

from PAGE 4

"A group that shows we have promise in the future of sustainability was launched. We had a student-initiated start of a student-led Green Umbrella organization," Rankin said.

The mission of The Green Umbrella is to bring together different student sustainability organizations to make ISU students more aware of sustainable efforts around them, according to their website.

The Green Umbrella's goals are to create an open forum for discussion about Green Initiatives at Iowa State, as well as to act as one voice to the ISU administration about student sustainability issues and brainstorm ways to teach students how they can solve a variety of issues in their day-to-day lives, including how they can make their lives more sustainable; how they can participate in Go Green efforts; and how they can voice their opinions on sustainability issues.

At one of the home football games, a renewable energy credit was purchased in order to offset the electrical and energy needs from a football game.

Rankin said there were little things done as well, such as installing gadgets on vending machines to make its lights go out when no one is around.

Iowa State was featured in an award competition for the governor's environmental awards for its efforts.

"At the heart and soul of sustainability, what does sustainability really mean?" Rankin said. "It's a thoughtful way of living and doing business. No one wants to have a place that takes energy when they are trying to provide good and efficient service."

Any way people can be more efficient and less wasteful, they provide a service to the community and students.

"If we have less waste, we can put more money into different resources that can create a rich, diverse and full experience for students and the community members," Rankin said.

ISU Green Practices

- **2007** - Work finishes on Kings Pavilion, the first green building at Iowa State
- **2008** - Iowa State becomes the first higher education institution in the state to earn affiliation with Keep Iowa Beautiful
- **2008** - The President's Advisory Committee on Energy Conservation and Global Climate Change is created to advise the president of the university on policies and activities that will reduce energy use and raise environmental awareness
- **2008** - The National Wildlife Federation's releases a national report on campus sustainability that included Iowa State in its list of schools with exemplary levels of sustainability activities
- **2008** - Four electric vehicles delivered to campus for environmental health and safety, and facilities planning and management
- **2009** - University Book Stores offers sturdy plastic bags that are 100 percent biodegradable.
- **2009** - An all-university composting facility opens that can handle more than 10,000 tons of organic wastes annually
- **2009** - Iowa's first solar trash compactor arrives at Iowa State
- **2009** - Reiman Gardens awarded a Green/Sustainable Tourism award
- **2010** - CyRide announces hybrid buses will join their fleet
- **2010** - Iowa State is listed among 10 U.S. colleges and universities noted for offering solid environmental degree programs for under \$10,000
- **2010** - ISU Dining, Department of Residence, Facilities Planning and Management and the student GreenHouse Group receive Iowa's highest recognition for being green

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